

1917.

U. S. DEPARTMENT OF AGRICULTURE

BUREAU OF PLANT INDUSTRY

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FIELD NOTES

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FORAGE CROP INVESTIGATIONS











## FIELD NOTES.

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### INSTRUCTIONS.

In case of a series of row or plat tests it is desirable to have all the constant conditions recorded for future reference. This can be done on the blank pages in the front of the book for all points not covered by the topic headings. In case several sets of experiments are recorded in a single book the conditions governing each may be given by filling in the outlines provided. (See pp. 7-11.) The blank pages may be used for any additional data which seem desirable, such as the high, low, and mean temperatures, rainfall, and date of the last killing frost in the spring and of the first killing frost in the fall. At the back of the book are blank pages for convenience in making field calculations and temporary notations. Row numbers should be listed in the order that they occur in the field. Records should be made in rate per cent wherever possible and in such manner that the better the variety or strain the higher the percentage recorded. Rules given under "Explanation of headings and abbreviations used in taking field notes in forage-crop investigations" should be followed, in order that the notes on any given crop may be uniform for all the stations.





## EXPLANATION OF HEADINGS AND ABBREVIATIONS USED IN TAKING FIELD NOTES IN FORAGE-CROP INVESTIGATIONS.

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SIZE OF PLAT.—Stated in fractions of an acre, as  $\frac{1}{2}$ ,  $\frac{1}{10}$ , etc., or, if nursery rows, length of the row in feet.

RATE OF SEEDING.—Pounds per acre.

STAND.—Given in percentages or number of plants in the row.

DATE.—Given in figures, as 9-15 (September 15).

UNIFORMITY.—Given in percentages.

VIGOR.—Strength or abundance of growth: *p*=poor; *f*=fair; *g*=good; *ex*=excellent.

CONDITION.—If the crop is biennial or perennial, give percentages showing what portion has survived the winter.

FOLIAGE COLOR.—Indicate the shade of green as follows: *g*=green; *l g*=light green; *d g*=dark green; *y g*=yellowish green; *g g*=grayish green; *p g*=purplish green. The superlative degree of any of these colors may be indicated by placing *v* before the color abbreviations, as follows: *v l g*=very light green.

HABIT OF GROWTH.—Described by the following terms: *e*=erect; *s e*=suberect; *d*=decumbent (prostrate, tip ascending); *p*=procumbent (trailing); *v*=vining; *b*=bushy.

STEMS PER PLANT.—Average number of stems produced from one seed, as 7-8.

MEASUREMENTS.—Given in inches unless otherwise indicated.

DISEASE RESISTANCE.—Give the percentage of noninfection; best determined by estimating the percentage of infection and subtracting this from 100.

DROUGHT RESISTANCE.—Indicate the comparative vigor of plants under conditions of drought, as follows: *p*=poor; *f*=fair; *g*=good; *ex*=excellent.

LODGING.—Described as *none*, *little*, *medium*, *much*.

SHATTERING.—Described as *none*, *little*, *medium*, *much*.

QUALITY.—Indicated as follows: *p*=poor; *f*=fair; *g*=good; *ex*=excellent.





## ABBREVIATIONS.

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GENERAL.—*v*=very; *med*=medium; *p*=poor; *g*=good; *ex*=excellent (indicates an unusually high degree, seldom occurring); *l*=little; *m*=much; *0*=none or nothing; *lg*=long; *s*=short; *sm*=small; *lrg*=large; *ab*=abundant; *few*=few; *cs*=coarse; *sl*=slender.

COLOR.—*v*=violet; *i*=indigo; *b*=blue; *g*=green; *y*=yellow; *o*=orange; *r*=red; *pur*=purple; *pk*=pink; *l*=light (used before a color); *d*=dark (used before a color).

SHAPE.—*ov*=oval; *rd*=round; *obl*=oblong; *lin*=linear; *obo*=obovate; *cor*=cordate; *cyl*=cylindrical; *elip*=elliptical.





Test of \_\_\_\_\_, 19

Object \_\_\_\_\_

Location \_\_\_\_\_

Kind of soil \_\_\_\_\_

Character of field \_\_\_\_\_

Previous crop \_\_\_\_\_

Preparation of seed bed \_\_\_\_\_

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

Seeding method \_\_\_\_\_

Test of \_\_\_\_\_, 19

Object \_\_\_\_\_

Location \_\_\_\_\_

Kind of soil \_\_\_\_\_

Character of field \_\_\_\_\_

Previous crop \_\_\_\_\_

Preparation of seed bed \_\_\_\_\_

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

Seeding method \_\_\_\_\_

----- *Test of* -----, 19-----

*Object*-----

*Location*-----

*Kind of soil*-----

*Character of field*-----

*Previous crop*-----

*Preparation of seed bed*-----

1. -----

2. -----

3. -----

4. -----

5. -----

6. -----

*Seeding method*-----

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----- *Test of* -----, 19-----

*Object*-----

*Location*-----

*Kind of soil*-----

*Character of field*-----

*Previous crop*-----

*Preparation of seed bed*-----

1. -----

2. -----

3. -----

4. -----

5. -----

6. -----

*Seeding method*-----



Test of \_\_\_\_\_, 19\_\_\_\_

Object \_\_\_\_\_

Location \_\_\_\_\_

Kind of soil \_\_\_\_\_

Character of field \_\_\_\_\_

Previous crop \_\_\_\_\_

Preparation of seed bed \_\_\_\_\_

1. \_\_\_\_\_

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6. \_\_\_\_\_

Seeding method \_\_\_\_\_

Test of \_\_\_\_\_, 19\_\_\_\_

Object \_\_\_\_\_

Location \_\_\_\_\_

Kind of soil \_\_\_\_\_

Character of field \_\_\_\_\_

Previous crop \_\_\_\_\_

Preparation of seed bed \_\_\_\_\_

1. \_\_\_\_\_

2. \_\_\_\_\_

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4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

Seeding method \_\_\_\_\_



Test of \_\_\_\_\_, 19\_\_\_\_

Object\_\_\_\_\_

Location\_\_\_\_\_

Kind of soil \_\_\_\_\_

Character of field\_\_\_\_\_

Previous crop\_\_\_\_\_

Preparation of seed bed\_\_\_\_\_

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Seeding method\_\_\_\_\_

Test of \_\_\_\_\_, 19\_\_\_\_

Object\_\_\_\_\_

Location\_\_\_\_\_

Kind of soil \_\_\_\_\_

Character of field\_\_\_\_\_

Previous crop\_\_\_\_\_

Preparation of seed bed\_\_\_\_\_

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Seeding method\_\_\_\_\_

Test of \_\_\_\_\_, 19\_\_\_\_

Object \_\_\_\_\_

Location \_\_\_\_\_

Kind of soil \_\_\_\_\_

Character of field \_\_\_\_\_

Previous crop \_\_\_\_\_

Preparation of seed bed \_\_\_\_\_

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Seeding method \_\_\_\_\_

Test of \_\_\_\_\_, 19\_\_\_\_

Object \_\_\_\_\_

Location \_\_\_\_\_

Kind of soil \_\_\_\_\_

Character of field \_\_\_\_\_

Previous crop \_\_\_\_\_

Preparation of seed bed \_\_\_\_\_

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4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

Seeding method \_\_\_\_\_



Object

Location

Kind of soil

Character of field

Previous crop

Preparation of seed bed

1.

2.

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4.

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6.

Seedling method

Object

Location

Kind of soil

Character of field

Previous crop

Preparation of seed bed

1.

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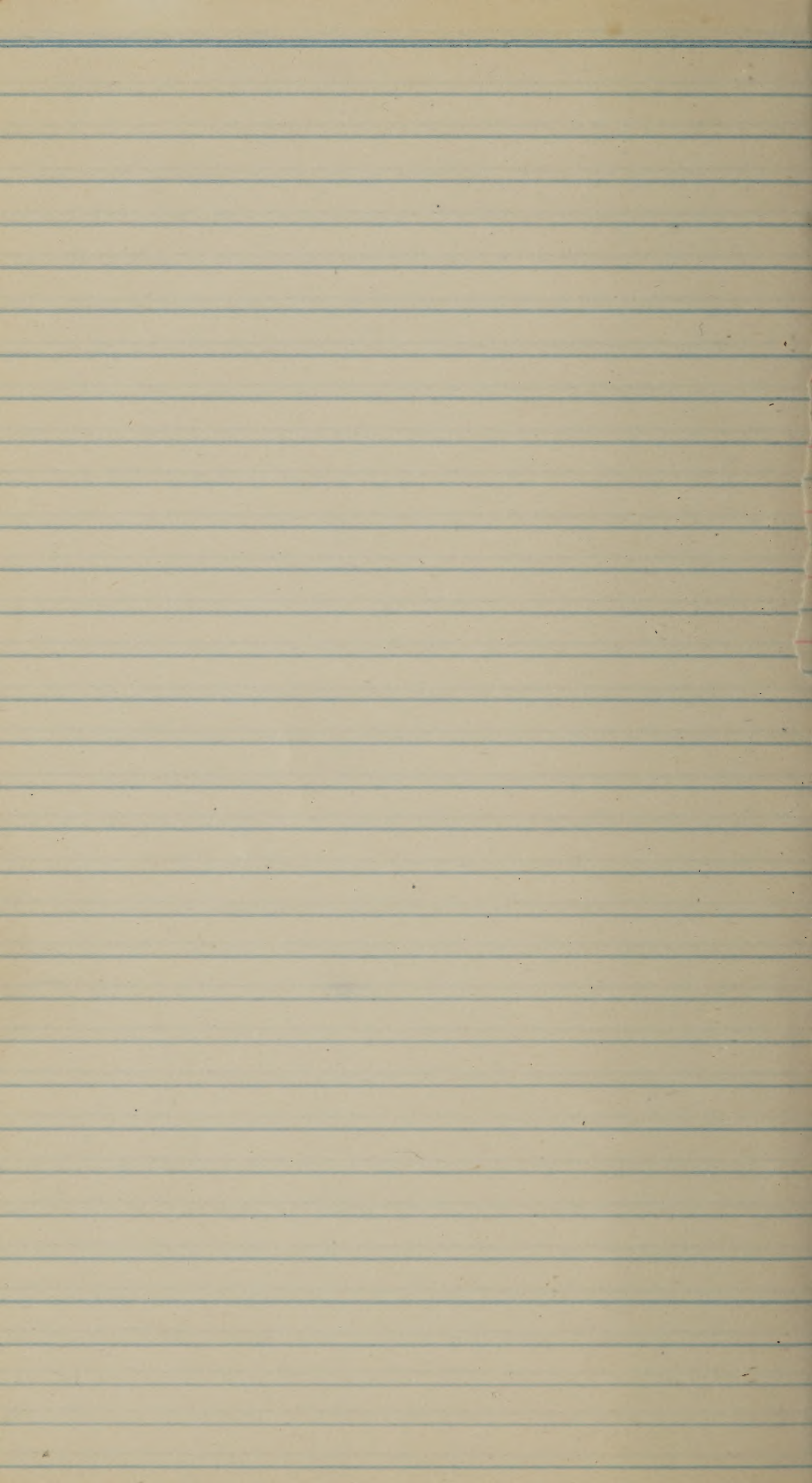
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Seedling method

Experiments -  
Inoculation Eggs (Guinea House)

Page  
1





Blue  
Chin



3 Soy Bean Variety Test.

Seed

Color

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